

Claims

1. A recording/reproducing apparatus, comprising:

at least two channel selecting mechanisms for taking in television signals on plural channels including a television signal on a program guide providing channel, in that an electronic program guide has been stored at a predetermined timing, and selecting the television signal on a desired channel in the above plural channels;

at least two signal processing mechanisms for performing predetermined processing to said television signal on said desired channel selected by each of said channel selecting mechanisms;

electronic program guide extracting mechanism for extracting said electronic program guide from said television signal on said program guide providing channel selected by said channel selecting mechanism;

switching mechanism for switching connections of said channel selecting mechanisms to said signal processing mechanisms and said electronic program guide extracting mechanism; and

control mechanism, in the case where a plurality of said predetermined different processing is simultaneously performed to said one television signal on said desired channel by each of said signal processing mechanisms, for controlling said switching mechanism so that the signal processing mechanisms are collectively connected to one of said channel selecting mechanisms.

2. The recording/reproducing apparatus according to claim 1, wherein;

in the case where in providing of said electronic program guide, a plurality of said predetermined different processing is simultaneously performed to said television signal on said program guide providing channel in each of said signal processing mechanisms, said control mechanism controls said switching mechanism so that the above plural signal processing mechanisms and said electronic program guide extracting mechanism are collectively connected to one of said plural channel selecting mechanisms.

3. The recording/reproducing apparatus according to claim 1, wherein:

a recording medium for storing said television signal subjected to said predetermined processing by each of said signal processing mechanisms is included; and

each of said signal processing mechanisms simultaneously performs compressively coding processing to said one television signal on said desired channel selected by one of said channel selecting mechanisms at a different compression rate, respectively, and said television signals compressively coded at the above different compression rates are recorded in said recording medium.

4. The recording/reproducing apparatus according to claim 1, wherein:

a recording medium for storing said television signal subjected to said predetermined processing by each of said signal processing mechanisms is included; and

said plural signal processing mechanisms simultaneously perform processing for viewing or respectively different compressively coding processing to said one television signal on said desired channel selected by one of said channel selecting mechanisms, and said television signals subjected to the above compressive coding in the above processing for viewing and compressively coding processing, are recorded in said recording medium.

5. A recording and/or reproducing method, comprising:

taking-in step for taking in television signals on plural channels including a television signal on a program guide providing channel, in that an electronic program guide has been stored at a predetermined timing, by at least two paths respectively; and

connecting step, in the case where a plurality of predetermined different processing is simultaneously performed to one of said television signals on said plural channels by at least two signal processing systems, for keeping at least one of said paths for the extraction of said electronic program guide, and

collectively connecting said signal processing systems to the above path.

6. The recording/reproducing method according to claim 5, including;

collectively connecting step, in the case where in providing of said electronic program guide, a plurality of said predetermined different processing is simultaneously performed to said television signal on said program guide providing channel by each of said signal processing systems, for collectively connecting said signal processing systems and an electronic program guide extracting processing system for extracting said electronic program guide from said television signal on said program guide providing channel, to the above path.

7. The recording/reproducing method according to claim 5, including;

channel selecting step for selecting a television signal on desired one channel on said one path connected to said signal processing systems;

compressively coding step for simultaneously performing compressively coding processing to the above one television signal on said desired one channel in each of said signal processing systems at a different compression rate respectively; and

recording step for recording a compressively-coded television

signals obtained by that the above one television signal on said desired one channel was compressively coded by said signal processing systems at said different compression rates respectively, in a predetermined recording medium.

8. The recording/reproducing method according to claim 5, including:

channel selecting step for selecting a television signal on desired one channel on said path connected to said signal processing systems;

processing step for simultaneously performing processing for viewing or respectively different compressively coding processing to the above one television signal on said desired channel in each of said signal processing systems; and

recording step for recording a compressively-coded television signal obtained by that the above television signal on said desired one channel was compressively coded in a predetermined signal processing system in said signal processing systems, in a predetermined recording medium.

9. A simultaneous processing program storage medium causing a computer execute a simultaneous processing comprising:

taking-in step for taking in television signals on plural channels including a television signal on a program guide providing channel, in that an electronic program guide has been

stored at a predetermined timing, by at least two paths respectively; and

connecting step, in the case where a plurality of predetermined different processing is simultaneously performed to one of said television signals on said plural channels by at least two signal processing systems, for keeping at least one of said paths for the extraction of said electronic program guide, and collectively connecting said signal processing systems to the above path.

10. A simultaneous program causing a computer execute:

taking-in step for taking in television signals on plural channels including a television signal on a program guide providing channel, in that an electronic program guide has been stored at a predetermined timing, by at least two paths respectively; and

connecting step, in the case where a plurality of predetermined different processing is simultaneously performed to one of said television signals on said plural channels by at least two signal processing systems, for keeping at least one of said paths for the extraction of said electronic program guide, and collectively connecting said signal processing systems to the above path.